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B.-J. Schäfer, A. Förster, M. Londschien, A. Tulke, K. Werner, M. Kamp, H. Heinecke, M. Weyers, H. Lüth and P. Balk, Arsenic passivation of MOMBE grown GaAs surfaces 204 (1988) 485
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J.M. Gay, J. Suzanne, G. Pepe and T. Meichel, Structural study and wetting behavior of ethane and tetrafluoromethane thick films adsorbed on graphite (0001) 204 (1988) 69
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R. Kariotis, D.E. Savage and M.G. Lagally, Direct determination of the size distribution of uncorrelated overlayer islands from diffraction profiles 204 (1988) 491
G. Pacchioni and P. Fantucci, Cluster model approach to chemisorption on aluminum: surface relaxation effects on the interaction of atomic oxygen with the Al(111) surface 204 (1988) 587

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J.-W. He and P.R. Norton, Thermal desorption of oxygen from a Pd(110) surface 204 (1988) 26
C. Nyberg and P. Uvdal, Vibrational excitations of nitric oxide adsorbed on Pd(100) 204 (1988) 517

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M. Grunze and R.N. Lamb, Adhesion of vapour phase deposited ultra-thin polyimide films on polycrystalline silver 204 (1988) 183
K. Edamoto, S. Maehama, E. Miyazaki, T. Miyahara and H. Kato, Angle-resolved photoemission study of NO chemisorption on Ag(111) surface 204 (1988) L739
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D.J. Godbey and G.A. Somorjai, The adsorption and desorption of hydrogen and carbon monoxide on bimetallic Re–Pt(111) surfaces 204 (1988) 301
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D.J. Godbey and G.A. Somorjai, The adsorption and desorption of hydrogen and carbon monoxide on bimetallic Re–Pt(111) surfaces 204 (1988) 301

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T. Kinoshita, Y. Enta, H. Ohta, Y. Yaegashi, S. Suzuki and S. Kono, Photoelectron and inverse photoelectron spectroscopy studies of the Si(111)$\sqrt{3} \times \sqrt{3}$-Sb surface 204 (1988) 405
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S.J. Morgan, A.R. Law, R.H. Williams, D. Norman, R. McGrath and I.T. McGovern, A surface EXAFS study of the vanadium/Si(111) interface 204 (1988) 428
J.H. Huang and R.S. Williams, Surface structure of Si(111)-5 × 1-Au characterized by impact collision ion scattering spectroscopy 204 (1988) 445
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J. Cousty and R. Riwan, Structures of Na and Cs layers adsorbed on Pt(111) 204 (1988) 45
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J.H. Huang and R.S. Williams, Surface structure of Si(111)-5 × 1-Au characterized by impact collision ion scattering spectroscopy 204 (1988) 445
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J.-W. He and P.R. Norton, Thermal desorption of oxygen from a Pd(110) surface 204 (1988) 26
M. Kiskinova, M. Tikhov and G. Bliznakov, CO adsorption on Ru(10$\bar{1}$0) modified with different amounts of Cu 204 (1988) 35
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K.J. Williams, M. Salmeron, A.T. Bell and G.A. Somorjai, An ISS, AES and CO chemisorption study of titania overlayers on Rh(111) 204 (1988) L745

D.J. Godbey and G.A. Somorjai, The adsorption and desorption of hydrogen and carbon monoxide on bimetallic Re–Pt(111) surfaces 204 (1988) 301
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F.P. Netzer, A. Goldmann, G. Rosina and E. Bertel, Structure and surface chemistry of 5-membered cyclic molecules on Rh(111): cyclopentene and cyclopentadiene 204 (1988) 387
B. Bourguignon, R.V. Smilgys and S.R. Leone, AES and LEED studies correlating desorption energies with surface structures and coverages for Ga on Si(100) 204 (1988) 473

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P.B. Smith, S.L. Bernasek and J. Schwartz, The interaction of tris(allyl)rhodium with (001) titanium dioxide 204 (1988) 374

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E.A. Daniels, J.C. Lin and R. Gomer, Diffusion anisotropy of hydrogen and deuterium on the tungsten (211) plane 204 (1988) 129
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S.J. Morgan, A.R. Law, R.H. Williams, D. Norman, R. McGrath and I.T. McGovern, A surface EXAFS study of the vanadium/Si(111) interface 204 (1988) 428

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I. Mrozek, T. Bornemann and A. Otto, Raman and reflection spectroscopy of H_2O covered coldly deposited silver films 204 (1988) 358

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